

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
200205522-1 (32944/US)APPLICATION NO.  
10/675,944INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)

FEB 09 2004

APPLICANT(S)  
Doron SHAKEDFILING DATE  
October 2, 2003

GROUP ART UNIT

## U.S. PATENT DOCUMENTS

INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JS	AA	4,384,336	05/17/1983	Frankle et al.	382	49	
JS	AB	4,649,568	03/10/1987	Kiesel et al.	382	41	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AC							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

JS	AD	/A. Blake, "Boundary Conditions of Lightness Computation in Mondrian World," <i>Computer Vision Graphics and Image Processing</i> , Vol. 32, pp. 314-327, 1985						
JS	AE	/J. M. DiCarlo et al., "Rendering High Dynamic Range Images," <i>Proc. SPIE</i> , Vol. 3965, pp. 392-401, 2000						
JS	AF	/F. Durand, et al., "Fast Bilateral Filtering for the Display of High Dynamic Range Images," preprint < <a href="http://graphics.lcs.mit.edu/~fredo/DurandBilateral.pdf">http://graphics.lcs.mit.edu/~fredo/DurandBilateral.pdf</a> > <span style="border: 1px solid black; padding: 0 2px;">2002</span>						
JS	AG	/O. D. Faugeras, "Digital Image Color Processing Within the Framework of a Human Visual Model," <i>IEEE Trans. on ASSP</i> , Vol. 27, pp. 380-393, 1979						
JS	AH	/B. Funt et al., "Retinex in Matlab," <i>Proc. of IS&amp;T 8<sup>th</sup> Color Imaging Conference</i> , pp. 112-121, 2000						
JS	AI	/B. K. P. Horn, "Determining Lightness from an Image," <i>Computer Graphics and Image Processing</i> , Vol. 3, pp. 277-299, 1974						
JS	AJ	/D. J. Jobson et al., "A Multiscale Retinex for Bridging the Gap Between Color Images and the Human Observation of Scenes," <i>IEEE Trans. on Image Proc.</i> , Vol. 6, pp. 965-976, 1997						
JS	AK	/R. Kimmel et al., "A Variational Framework for Retinex," <i>Hewlett Packard Technical Report HPL-1999-151</i> , June 1999						
JS	AL	/R. Kimmel et al., "Space Sensitive Color Gamut Mapping: A Variational Approach," <i>Hewlett Packard Technical Report HPL-2000-50</i> , April 2000						
JS	AM	/E. H. Land, "Recent Advances in the Retinex Theory and Some Implications for Cortical Computations: Color Vision and the Natural Image," <i>Proc. National Academy of Science USA</i> , Vol. 80, pp. 5163-5169, 1983						

EXAMINER

/Jeffrey Smith/

DATE CONSIDERED

11/07/2006

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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JS

BA

E. H. Land, "An Alternative Technique for the Computation of the Designator in the Retinex Theory of Color Vision," *Proc. National Academy of Science USA*, Vol. 83, pp. 3078-3080, 1986

JS

BB

E. H. Land et al., "Lightness and the Retinex Theory," *J. Optical Soc. of America A*, Vol. 61, pp. 1-11, 1971

JS

BC

J. McCann, "Lessons Learned from Mondrians Applied to Real Images and Color Gamuts," *Proc. IS&T/SID 7<sup>th</sup> Color Imaging Conference*, pp. 1-8, 1999

JS

BD

J. McCann et al., "Demonstration of Red/White Projections and Rod-Leone Color," *Proc. of SPIE*, Vol. 4662, pp. 324-330, Jan. 2002

JS

BE

J. McCann et al., "Capturing a Black Cat in Shade: The Past and Present of Retinex Color Appearance Models," *Proc. of SPIE*, Vol. 4662, pp. 321-340, Jan. 2002

JS

BF

R. Sobol, "Improving the Retinex Algorithm for Rendering Wide Dynamic Range Photographs," *Proc. of SPIE*, Vol. 4662, pp. 341-3487, 2002

JS

BG

T. G. Stockham, Jr., "Image Processing in the Context of a Visual Model," *Proc. of the IEEE*, Vol. 60, pp. 828-842, 1972

JS

BH

J. Tumblin et al., "Two Methods for Display of High Contrast Images," *ACM Trans. on Graphics*, Vol. 18, pp. 56-94, 1999

JS

BI

J. Tumblin et al., "LCIS: A Boundary Hierarchy for Detail-Preserving Contrast Reduction," *SIGGRAPH*, pp. 83-90, 1999

JS

BJ

D. Terzopoulos, "Image Analysis Using Multigrid Relaxation Methods," *IEEE Trans. on PAMI*, Vol. 8, pp. 129-139, 1986

BK

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APR 11 2005

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

Sheet	1	of	2
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**Complete if Known**

Application Number	10/675944
Filing Date	October 2, 2003
First Named Inventor	Doron Shaked
Art Unit	2121
Examiner Name	n/a
Attorney Docket Number	200205522-1

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
JS		WO02/089062	11-07-2002	Hewlett-Packard		

Examiner Signature	/Jeffrey Smith/	Date Considered	11/07/2006
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Sheet 2

2

of

2

Application Number

10/675944

Filing Date

October 2, 2003

First Named Inventor

Doron Shaked

Art Unit

2121

Examiner Name

n/a

Attorney Docket Number

200205522-1

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
JS		Moore A et al: "A Real-Time Neural System for Color Constancy" IEEE Transactions on Neural Networks, IEEE Inc., New York, US, vol.2 no. 2, 1 Mar 1991 pp. 237-247 XP000202577	

Examiner  
Signature

/Jeffrey Smith/

Date  
Considered

11/07/2006

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